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Is It Intelligent? A Systematic Review of Intelligence in the Most Cited Papers in IoT

Grados B. ✉ , Bedon H. ✉

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Exponential Technology Group (GITX-ULIMA), Instituto de Investigación Científica (IDIC), Universidad de Lima, Lima, Peru

Abstract

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Abstract

Artificial intelligence is a buzz word and even more when its accomplishments have challenged our intelligence. However, what is intelligence? Is there a consensus in its meaning for researchers and professionals? Is it just a sales word? What does it mean in practical terms? To answer these questions, we followed a systemic review of literature in most cited papers about intelligent systems in the Internet of Things (IoT) and discovered that only 58% were intelligent as we defined: “Intelligent Systems are systems conformed by algorithms that are programmed using some machine learning techniques and that can learn from data and perform tasks with a superior performance”. The rest 42% were just traditional systems with hardware or software enhancements. © 2021, Springer Nature Switzerland AG.

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